

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	10368	ultrasound with image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:11
L2	5074	electronic adj3 signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:23
L3	1	I1 same I2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24
L4	15	I1 and I2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:12
L5	15368	digital adj3 signature	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:23
L6	1	I1 same I5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24
L7	12	I1 and I5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/01 09:24

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» **Key**

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Display Format: Citation Citation & Abstract

1. Smartcards with biometric user verification
Struif, B.; Scheuermann, D.;
[Multimedia and Expo, 2002. ICME '02. Proceedings. 2002 IEEE International Conference on](#)
Volume 2, 26-29 Aug. 2002 Page(s):589 - 592 vol.2
Digital Object Identifier 10.1109/ICME.2002.1035688
[AbstractPlus](#) | Full Text: [PDF\(418 KB\)](#) IEEE CNF
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2. Applications in health care using public-key certificates and attribute certificates
Wohlmacher, P.; Pharow, P.;
[Computer Security Applications, 2000. ACSAC '00. 16th Annual Conference on](#)
11-15 Dec. 2000 Page(s):128 - 137
Digital Object Identifier 10.1109/ACSAC.2000.898866
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mechanisms and the characteristics of the **electronic signature** itself.
Used_in ... X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-function tests, anatomic ...

www.who.int/ehscg/resources/en/ehscg_standards_list.pdf - Similar pages

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www.ARX.com

[\[DOC\] Name](#)

File Format: Microsoft Word - [View as HTML](#)

Name, **Electronic healthcare record** communication. Brief name, ENV 13606 ... Used_in, X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-function tests, ...

www.oasis-open.org/committees/download.php/10204/standards_list.doc - Similar pages

[\[DOC\] Electronic Signature](#)

Electronic & Digital Signature Resource Center & Demo Software
www.silanis.com

[\[DOC\] Name](#)

File Format: Microsoft Word 97 - [View as HTML](#)

Name, **Electronic healthcare record** communication. Brief name, ENV 13606 ... Used_in, X-rays, CAT, NMR, **ultrasound** scans, ECGs, lung-function tests, ...

ontolog.cim3.net/.../HealthStandardsList-prelim--OASIS-IHC_20041122.doc - Similar pages

[\[DOC\] Ultrasound](#)

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[\[DOC\] Deliverable 3.2](#)

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Secure authentication procedures, eg, **electronic signature** ... paediatric clinics at regional hospitals will use shared **electronic healthcare record** service ...

pangea.upv.es/N+ISIS05/documents/CarlosParra/D_3-2_final/Deliverable_3_part1-final.doc - Similar pages

[\[DOC\] Appendices](#)

File Format: Microsoft Word 97 - [View as HTML](#)

The **electronic healthcare record** system (including distributed databases and ... Like in the case of **Ultrasound** examination of pregnant women in a local ...

pangea.upv.es/N+ISIS05/documents/CarlosParra/D_3-2_final/deliverable_3_part2_iii_final.doc - Similar pages

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Project Title: **Electronic Healthcare Record** Support Action. EHCR-SupA ... Many test results are now in image form (X-rays, **ultrasound** etc.). ...

www.chime.ucl.ac.uk/Health/EHCR-SupA/del1-4v1_3.PDF - Similar pages

[TELEPLANS WP4 : D04.1 - 3](#)

... (ie medical data interchange, Home Care, **Electronic Healthcare Record** Communication). ... Within cardiology, two used stethoscope, one used **ultrasound**. ...
www.ingbiomedica.unina.it/teleplans_doc/wp4_D041_3.htm - 220k - Cached - Similar pages

[\[PDF\] Data Capture and Report Generation](#)

File Format: PDF/Adobe Acrobat - [View as HTML](#)

An **electronic signature** has five elements. For each of these, different levels of security ...

Analog and digital x-rays, nuclear imaging, **ultrasound**, ...

www.zydoc.com/files/DataCapureReportGenerationFinalReport.pdf - Similar pages

[**DOC**] **INTERNATIONAL TELECOMMUNICATION UNION**

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... imported from the **Electronic Healthcare Record** System in order to avoid data entry ...

ultrasound; radiology; cardiology; cancer treatment; telemedicine ...

www.itu.int/ITU-D/study_groups/SGP_1998-2002/SG2/Documents/2001/195REV2E.DOC -

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"European **Electronic Signature** Standardisation Initiative (EESI)", CEN, ... Java-based

Electronic Healthcare Record software for beta-Thalassaemia", ...

www.icsd.aegean.gr/Downloads/pdfs/ICSD-Evaluation-v27-12-02_comments.pdf -

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[\[DOC\] Interim System Architecture](#)

File Format: Microsoft Word - [View as HTML](#)

For granting consent, patients use the **electronic signature** capability of the ... The key system is the **Electronic Healthcare Record**, where a nation-wide ...

www.medcom.dk/picnic/deliverables/ d2.3-%20int%20sysarch%20v20.doc - [Similar pages](#)

[Electronic Signatures](#)

Electronic Signatures Made Simple. Expedite Processes & Increase ROI. www.ARX.com

[\[DOC\] Interim System Architecture](#)

File Format: Microsoft Word - [View as HTML](#)

For granting consent, patients use the **electronic signature** capability of the EID ... In 2001 **electronic healthcare record** standardisation was added to the ...

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approach to the delivery of an **Electronic Healthcare Record** (EHR). ... then signing,

following the **electronic signature** the letter will be passed back to ...

www.mbpct.nhs.uk/lis/_pdf/ IMTStrategy2001finalversion01November.pdf - [Similar pages](#)

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Electronic Healthcare Record. These will include a ... Similarly, the EU Directive states that an advanced **electronic signature** satisfies the legal re- ...

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europa.eu.int/information_society/activities/ health/docs/publications/eu-ehealth-ceec2004.pdf - [Similar pages](#)

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... Nonlinear **Ultrasound Image** Modeling: Development of a Complete End-To- End ...
(High Resolution) without Changing its **Electronic Signature** Date: MAR 96 ...
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a patient cannot enter this **password**, and his/her situation is critical. ... **electronic signature**, that has the same value as a regular signature. ...
www.liacs.nl/~rvelden/docs/HospitalDataIntegration.pdf - [Similar pages](#)

[\[PDF\]](#) **Empower Your Workflow Innovative Methods Using High-Tech Equipment** ...

File Format: PDF/Adobe Acrobat

[6] Security and **Electronic Signature**; Proposed Rule, US Department of Health and Human Services, ... medical **ultrasound image** acquisition, presentation, ...
www.healthcare.siemens.com/medroot/en/news/electro/issues/pdf/heft_2_01_e/em_0201_engl.pdf - [Similar pages](#)

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Idaho State Legislature - 2004 House Health & Welfare Committee ...

The issue of the secured **password** was considered by the Committee. ... an **ultrasound image** of the fetus shown to the patient by the physician, if requested ...
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... IU account **password** was changed on the server, but not ...
www.va.gov/vdl/VistA_Lib/Clinical/Vista_Imaging_Sys/imgtechman.pdf - [Similar pages](#)

[\[DOC\]](#) **Requirements - Technology**

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Using access management of identity and a **password** on the server, ... [Strategy for securing medical documents by **electronic signature** and encryption]. ...
www.med.umich.edu/telemedicine/Symposium/I_3_word.doc - [Similar pages](#)

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Using access management of identity and a **password** on the server, ... [Strategy for

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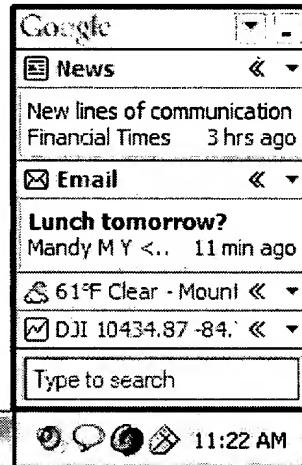
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Relevance scale **1 A survey and analysis of Electronic Healthcare Record standards**

 Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci
 December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4

Publisher: ACM PressFull text available:  [pdf\(844.11 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

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1 [Risks to the public: Risks to the public](#)

 Peter G. Neumann

July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

Publisher: ACM Press

Full text available:  [pdf\(151.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

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Relevance scale

1 Location services: Sextant: a unified node and event localization framework using

non-convex constraints

Saikat Guha, Rohan Murty, Emin Gün Sirer

 May 2005 **Proceedings of the 6th ACM international symposium on Mobile ad hoc networking and computing MobiHoc '05**
Publisher: ACM Press

 Full text available: pdf(208.91 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Determining node and event locations is a canonical task for many wireless network applications. Yet dedicated infrastructure for determining position information is expensive, energy-consuming, and simply unavailable in many deployment scenarios. This paper presents an accurate, cheap and scalable framework, called Sextant, for determining node position and event location in sensor networks. Sextant operates by setting up and solving a system of geographic constraints based on connectivity info ...

Keywords: Bézier, SEXTANT, event localization, motes, node localization, positioning

2 Poster 3: content track: Validating cardiac echo diagnosis through video similarity

Tanveer Syeda-Mahmood, Dulce Ponceleon, Jing Yang

 November 2005 **Proceedings of the 13th annual ACM international conference on Multimedia MULTIMEDIA '05**
Publisher: ACM Press

 Full text available: pdf(451.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Video data is increasingly being used in medical diagnosis. Due to the quality of the video and the complexities of underlying motion captured, it is difficult for an in-experienced physician/radiologist to describe motion abnormalities in a crisp way, leading to possible errors in diagnosis. In this paper, we present a method of capturing video similarity and its use for diagnosis verification during decision support. Specifically, we describe the motion information in videos using average velo ...

Keywords: collaborative filtering, diagnosis prediction, video-guided diagnosis

3 (Special session) invited talks: mixed signal test: An implementation of memory-

based on-chip analogue test signal generation

Salvador Mir, Luis Rolíndez, Christian Domigues, Libor Rufer

 January 2003 **Proceedings of the 2003 conference on Asia South Pacific design automation ASPDAC**
Publisher: ACM Press

 Full text available: pdf(666.98 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This paper presents a memory-based on-chip analogue test signal generation approach that is suitable for the test of an Analogue and Mixed-Signal (AMS) core. This core contains programmable electronic interfaces for acoustic and ultrasound transducers. The test signals that must be generated on-chip have only low or moderate frequencies (10 Hz-10 MHz). The test circuitry designed in a 0.18 µm CMOS technology includes a programmable shift-register, a clock divider, and a programmable switched- ...

4 Ad hoc network: SECTOR: secure tracking of node encounters in multi-hop wireless networks

 Srdjan Čapkun, Levente Buttyán, Jean-Pierre Hubaux
October 2003 **Proceedings of the 1st ACM workshop on Security of ad hoc and sensor networks**

Publisher: ACM Press

Full text available:  pdf(190.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we present SECTOR, a set of mechanisms for the secure verification of the time of encounters between nodes in multi-hop wireless networks. This information can be used notably to prevent wormhole attacks (without requiring any clock synchronization), to secure routing protocols based on last encounters (with only loose clock synchronization), and to control the topology of the network. SECTOR is based primarily on distance-bounding techniques, on one-way hash chains and on Merkle h ...

Keywords: mobile networks, mobility, positioning, security, security associations

5 Transfer functions on a logarithmic scale for volume rendering

Simeon Potts, Torsten Möller
May 2004 **Proceedings of the 2004 conference on Graphics interface GI '04**

Publisher: Canadian Human-Computer Communications Society

Full text available:  pdf(296.08 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Manual opacity transfer function editing for volume rendering can be a difficult and counter-intuitive process. This paper proposes a logarithmically scaled editor, and argues that such a scale relates the height of the transfer function to the rendered intensity of a region of particular density in the volume almost directly, resulting in much improved, simpler manual transfer function editing.

Keywords: transfer functions, user interfaces, volume graphics

6 A survey and analysis of Electronic Healthcare Record standards

 Marco Eichelberg, Thomas Aden, Jörg Riesmeier, Asuman Dogac, Gokce B. Laleci
December 2005 **ACM Computing Surveys (CSUR)**, Volume 37 Issue 4

Publisher: ACM Press

Full text available:  pdf(844.11 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Medical information systems today store clinical information about patients in all kinds of proprietary formats. To address the resulting interoperability problems, several Electronic Healthcare Record standards that structure the clinical content for the purpose of exchange are currently under development. In this article, we present a survey of the most relevant Electronic Healthcare Record standards, examine the level of interoperability they provide, and assess their functionality in terms o ...

Keywords: Electronic Healthcare Record standards, eHealth, interoperability

7 IEEE Visualization Cumulative Bibliography (1990 - 2004)

October 2004 **Proceedings of the conference on Visualization '04**

Publisher: IEEE Computer Society

Full text available: [pdf\(811.24 KB\)](#) Additional Information: [full citation](#)

- 8 [Superior augmented reality registration by integrating landmark tracking and magnetic tracking](#)

 Andrei State, Gentaro Hirota, David T. Chen, William F. Garrett, Mark A. Livingston
August 1996 **Proceedings of the 23rd annual conference on Computer graphics and interactive techniques**

Publisher: ACM Press

Full text available: [pdf\(1.43 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: augmented reality, calibration, frame buffer techniques, registration, stereo video see-through head-mounted display

- 9 [Computer security: Proxy-based security protocols in networked mobile devices](#)

 M. Burnside, D. Clarke, T. Mills, A. Maywah, S. Devadas, R. Rivest
March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**

Publisher: ACM Press

Full text available: [pdf\(765.09 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe a resource discovery and communication system designed for security and privacy. All objects in the system, e.g., appliances, wearable gadgets, software agents, and users have associated trusted software proxies that either run on the appliance hardware or on a trusted computer. We describe how security and privacy are enforced using two separate protocols: a protocol for secure device-to-proxy communication, and a protocol for secure proxy-to-proxy communication. Using two separate ...

Keywords: authorization, certificate, certificate chain, certificate chain discovery, mobile device, pervasive, protocol, proxy, security, ubiquitous, wireless

- 10 [A survey of image registration techniques](#)

 Lisa Gottesfeld Brown
December 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 4

Publisher: ACM Press

Full text available: [pdf\(5.20 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Registration is a fundamental task in image processing used to match two or more pictures taken, for example, at different times, from different sensors, or from different viewpoints. Virtually all large systems which evaluate images require the registration of images, or a closely related operation, as an intermediate step. Specific examples of systems where image registration is a significant component include matching a target with a real-time image of a scene for target recognition, mon ...

Keywords: image registration, image warping, rectification, template matching

- 11 [Acoustic radar graphic input device](#)

 P. de Bruyne
July 1980 **ACM SIGGRAPH Computer Graphics , Proceedings of the 7th annual conference on Computer graphics and interactive techniques SIGGRAPH '80**, Volume 14 Issue 3

Publisher: ACM Press

Full text available: [pdf\(451.02 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Accurate X,Y position determining digitizers presently require a precision array of wires embedded in the tablet. In rear-projection tablets these wires tend to limit the optical quality of images projected on the screen. Principles of acoustic radar are applied in a device which achieves better resolution, at a lower cost and without the use of wires, either in a tablet or a cursor. The function of acoustic reflectors for automatic calibration is described, achieving an accuracy of + mn; 0 ...

Keywords: Acoustic radar, Back-projection, Cursor, Digitizer, Finger-pointing, Graphic input, Position measurement, Retro-reflector, Self-calibrating, Sonar, Stylus, Tablet

12 Computational strategies for object recognition

 Paul Suetens, Pascal Fua, Andrew J. Hanson
March 1992 **ACM Computing Surveys (CSUR)**, Volume 24 Issue 1

Publisher: ACM Press

Full text available:  pdf(6.37 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This article reviews the available methods for automated identification of objects in digital images. The techniques are classified into groups according to the nature of the computational strategy used. Four classes are proposed: (1) the simplest strategies, which work on data appropriate for feature vector classification, (2) methods that match models to symbolic data structures for situations involving reliable data and complex models, (3) approaches that fit models to the photometry and ...

Keywords: image understanding, model-based vision, object recognition

13 Level set and PDE methods for computer graphics

 David Breen, Ron Fedkiw, Ken Museth, Stanley Osher, Guillermo Sapiro, Ross Whitaker
August 2004 **Proceedings of the conference on SIGGRAPH 2004 course notes GRAPH '04**

Publisher: ACM Press

Full text available:  pdf(17.07 MB) Additional Information: [full citation](#), [abstract](#)

Level set methods, an important class of partial differential equation (PDE) methods, define dynamic surfaces implicitly as the level set (iso-surface) of a sampled, evolving nD function. The course begins with preparatory material that introduces the concept of using partial differential equations to solve problems in computer graphics, geometric modeling and computer vision. This will include the structure and behavior of several different types of differential equations, e.g. the level set eq ...

14 Risks to the public: Risks to the public

 Peter G. Neumann
July 2005 **ACM SIGSOFT Software Engineering Notes**, Volume 30 Issue 4

Publisher: ACM Press

Full text available:  pdf(151.77 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Edited by Peter G. Neumann (Risks Forum Moderator and Chairman of the ACM Committee on Computers and Public Policy), plus personal contributions by others, as indicated. Opinions expressed are individual rather than organizational, and all of the usual disclaimers apply. We address problems relating to software, hardware, people, and other circumstances relating to computer systems. To economize on space, we include pointers to items in the online Risks Forum: (R i j) denotes RISKS vol i number ...

15 7-3 Modeling: Multi-scale iso-surface extraction for volume visualization

 Shiaofen Fang, Marwan Adada
June 2004 **Proceedings of the 2004 ACM SIGGRAPH international conference on Virtual Reality continuum and its applications in industry**

Publisher: ACM Press

Full text available:  pdf(240.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes a new multi-scale approach for the extraction of iso-surfaces from volume datasets. Using histogram analysis, iso-values are extracted from histograms of boundary voxels defined by gradient magnitude thresholding. Multi-scale smoothing of the histogram using Gaussian filters of various sizes allows the iso-surfaces to be defined hierarchically over a scale space map. It provides an interactive environment and volume navigation tools for the exploration of large volume data sets ...

Keywords: iso-surface extraction, multiscale space, volume visualization

16 The intelligent street: responsive sound environments for social interaction 

 Henrik Lörstad, Mark d'Inverno, John Eacott
September 2004 **Proceedings of the 2004 ACM SIGCHI International Conference on Advances in computer entertainment technology ACE '04**

Publisher: ACM Press

Full text available:  pdf(111.95 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The *Intelligent Street* is a music installation that is able to respond intelligently to the collective requests of users interacting together. The performance it creates is largely influenced by the collective set of text commands from users' mobile phones. In this way, users in shared environments, subjugated for so long to uncontrollable and often undesired 'Muzak', can now directly influence their sonic environment and collectively create the aural soundscape that *they* desire. W ...

Keywords: algorithmic and generative composition, algorithmic music, ambient intelligence, human computer interaction, intelligent responsive sound, prototype, software architectures

17 Localization: Localization for mobile sensor networks 

 Lingxuan Hu, David Evans
September 2004 **Proceedings of the 10th annual international conference on Mobile computing and networking**

Publisher: ACM Press

Full text available:  pdf(263.13 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Many sensor network applications require location awareness, but it is often too expensive to include a GPS receiver in a sensor network node. Hence, localization schemes for sensor networks typically use a small number of seed nodes that know their location and protocols whereby other nodes estimate their location from the messages they receive. Several such localization techniques have been proposed, but none of them consider mobile nodes and seeds. Although mobility would appear to make local ...

Keywords: Monte Carlo localization, localization, mobility, sensor networks

18 Art poster session: ARIA: an adaptive and programmable media-flow architecture for interactive arts 

 Lina Peng, K. Selcuk Candan, Kyung D. Ryu, Karamvir S. Chatha, Hari Sundaram
October 2004 **Proceedings of the 12th annual ACM international conference on Multimedia**

Publisher: ACM Press

Full text available:  pdf(144.40 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We are developing an adaptive and programmable media-flow ARchitecture for Interactive Arts (ARIA) to enable real-time control of audio, video, and lighting on an intelligent stage. The intelligent stage is being equipped with a matrix of floor sensors for object localization, microphone arrays for sound localization, beam forming and motion capture system. ARIA system provides an interface for specifying intended mappings of the

sensory inputs to audio-visual responses. Based on the specific ...

Keywords: interactive, multi-model art, tools for creating multimedia art

Results 1 - 18 of 18

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